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Mail Stop Patent Ext Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 June 14, 2005



Date of Deposit

Signature

Date of Deposit

Signature

Our Case No. 10808/203

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Application of: |) |
|--|----------------------------|
| Joerg Vollrath, et al. |)) |
| Serial No. 09/967,008 | Examiner: Le, Dieu Minh T. |
| Filing Date: Spetember 28, 2001 | Group Art Unit No. 2812 |
| Title: MEMORY AND METHOD FOR EMPLOYING A CHECKSUM FOR ADDRESSES OF REPLACED STORAGE ELEMENTS | |

PATENT TERM ADJUSTMENT PURSUANT TO 37 C.F.R. § 1.705(b)

Mail Stop Issue Fee Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

A notice of allowance was issued for the present application on March 18, 2005 indicating that the issue fee is due on June 20, 2005. The issue fee is being submitted for the present application in conjunction with this request for reconsideration of the patent term adjustment. The Patent Application Information Retrieval (PAIR) system and the notice of allowance both 06/17/2005 HBERHE1 00000092 09967008

06/17/2005 MBERHE1 00000092 09967008 04 FC:1455 200.00 OP

Date Filed: September 28, 2001

indicate a patent term adjustment that was calculated by the U.S. Patent office pursuant to 37 C.F.R. 1.701 of 666 days. A copy of Notice of Allowance for the present application is included herewith as Exhibit A.

Applicant's Attorney believes that the patent term adjustment should be 836 days. For the reasons stated herein, reconsideration of the patent term adjustment is respectfully requested pursuant to 37 C.F.R. 1.705(b). Please charge the petition fee pursuant to 37 C.F.R. § 1.18(e) to Deposit Account No. 23-1925. Please charge any additional fee required or credit for any excess fee paid to Deposit Account No. 23-1925. A duplicate copy of this Petition is attached.

The patent term adjustment for the present application was calculated by the U.S. Patent and Trademark Office based on activities and associated dates detailed in the Patent Application Information Retrieval (PAIR) system Patent Term Adjustment History, attached as Exhibit B. Applicant's Attorney believe that errors and/or omissions in the calculation and/or the PAIR system Patent Term Adjustment History may have resulted in an incorrect patent term adjustment for the present application as described in detail below. The present application is <u>not</u> subject to a terminal disclaimer.

Period of adjustment pursuant to 37 C.F.R. § 1.703(b)

The period of adjustment pursuant to 37 C.F.R. § 1.703(b) is the number of days in the period beginning on the day ("the 3 year date") after the date that is three years after the date on which the application was filed pursuant to 35 U.S.C. § 111(a) or fulfilled the requirements pursuant to 35 U.S.C. § 371.

The present application was filed on September 28, 2001 as evidenced by the filing receipt attached as Exhibit F. The 3 year date specified in 37 C.F.R. § 1.703(b) is September 28, 2004. The total amount of delay of both the U.S. Patent and Trademark Office and the Applicant's

Date Filed: September 28, 2001

Attorney is 676 days) as indicated in the PAIR system Patent Term Adjustment History, attached as Exhibit B. On the date of mailing of the notice of allowance, the present application is believed to have already exceeded the combined total of the 3 year date and the total amount of delay by 170 days. Applicant's Attorney expects that additional non-overlapping delay can reasonably be expected prior to a patent issuing for the present application. Applicant's Attorney therefore requests re-computation of the period of adjustment pursuant to 37 C.F.R. § 1.703 upon identification of the date of issue of the patent of the present application to reflect this delay. With this request, Applicant's Attorney further reserves the right to request reconsideration of the patent term adjustment pursuant to 37 C.F.R. § 1.705(d) if the term of the issued patent is believed to be extended or adjusted incorrectly.

Total patent term adjustment

For the present application, the total patent term adjustment pursuant to 37 C.F.R. § 1.703(f) is the period of adjustment pursuant to 37 C.F.R. § 1.703 reduced by any delays pursuant to 37 C.F.R. § 1.704. Thus, according to our calculations, we believe that the patent term adjustment should be (671+170) days - (5) days = 836 days, instead of 666 days indicated on the Notice of Allowance attached as Exhibit A.

It is respectfully asserted that the patent term adjustment determined by the U.S. Patent and Trademark Office for the present application may not be correct. Accordingly, Applicant's Attorney respectfully requests the U.S. Patent and Trademark office to reconsider, and make revisions to the PAIR system Patent Term Adjustment History in view of the previous remarks. In addition, it is respectfully requested that the patent term adjustment be re-calculated by the U.S. Patent and Trademark Office in view of the above remarks. Office personnel are invited to

Date Filed: September 28, 2001

contact the undersigned attorney for the Applicant's Attorney via telephone if such communication would be beneficial in fulfilling this request.

Respectfully submitted,

Joseph W. Flerlage

Registration No. 52,897

Attorney for Applicants

BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, ILLINOIS 60610 (312) 321-4200



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.O. Box 1450 Jexandria, Virginia 22313-1450 rww.uspto.gov

Due:

NOTICE OF ALLOWANCE AND FEE(S) DUE

000530

7590

03/18/2005

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090 18753005

200191190245

EXAMINER

LE, DIEU MINH T

ART UNIT

PAPER NUMBER

2114

DATE MAILED: 03/18/2005

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/967,008 | 69/28/2001 | Joerg Vollrath | INTECH 3.0-013 | 5624 |

TITLE OF INVENTION: MEMORY AND METHOD FOR EMPLOYING A CHECKSUM FOR ADDRESSES OF REPLACED STORAGE ELEMENTS

APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 06/20/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE REFLECT AND AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OF THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown

A. Pay TOTAL FEE(S) DUE shown above, or

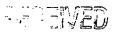
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

MAR 21 2005





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Viginia 22313-1450

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------------|-----------------|--|-------------------------|------------------|
| 09/967,008 | 09/28/2001 | Joerg Vollrath | INTECH 3.0-013 | 5624 |
| 000530 7 | 7590 03/18/2005 | 0 | EXAM | INER |
| - | ID, LITTENBERG, | Man a 6 | LE, DIEU | MINH T |
| KRUMHOLZ & N 600 SOUTH AVE | | JUN 1 0 2005 | ART UNIT | PAPER NUMBER |
| WESTFIELD, NJ | 07090 | THE STATE OF THE S | 2114 | , |
| | | PRADEMARK | DATE MAILED: 03/18/2005 | i |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 666 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 666 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

JUN 1 6 2005

| Application No. | Applicant(s) | |
|-----------------|-----------------|--|
| 09/967,008 | VOLLRATH ET AL. | |
| Examiner | Art Unit | |
| Dieu-Minh Le | 2114 | |

| WIOZ. | 09/967,008 | VOLLRAIH ET AL. | |
|---|--|---|---------------------------|
| Notice of Allowability | Examiner | Art Unit | |
| | Dieu-Minh Le | 2114 | |
| The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE PROPERTY OF THE PROPE | OR REMAINS) CLOSED in this app or other appropriate communication SHTS. This application is subject to | olication. If not include will be mailed in due | ed course. THIS |
| 1. 🖾 This communication is responsive to the amendment filed of | n 01/03/2005. | | |
| 2. The allowed claim(s) is/are <u>1-40</u> . | • | | |
| 3. The drawings filed on are accepted by the Examiner | | | • |
| 4. ☐ Acknowledgment is made of a claim for foreign priority unda a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give: (a) ☒ including changes required by the Notice of Draftsperson (a) ☒ including changes required by the Notice of Draftsperson (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date [b] ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR 1.6 each sheet. Replacement sheet(s) should be labeled as such in the T. ☐ DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F. | been received. been received in Application No uments have been received in this r of this communication to file a reply of ENT of this application. ted. Note the attached EXAMINER's reason(s) why the oath or declarate be submitted. ben's Patent Drawing Review (PTO-S Amendment / Comment or in the O Ad(c)) should be written on the drawing header according to 37 CFR 1.121(d) it of BIOLOGICAL MATERIAL m | complying with the recomplying attached fiftee action of the front (not the li). | quirements OTICE OF |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mall Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. Examiner's Statemen | PTO-413), e ent/Comment | |



The drawing(s) filed (insert date)_

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

| 1. DRAWINGS: 37 CFR 1.84(a); Acceptable | 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) |
|---|---|
| categories of drawings: Black ink or | Words do not appear on a horizontal, left-to-right |
| Color (3 sets required) | fashion when page is either upright or turned so |
| Color drawings are not acceptable until petition is | that the top becomes the right side, except for |
| granted. Fig(s) | graphs. Fig(s) |
| Pencil and non black ink not permitted. Fig(s) | 9. SCALE. 37 CFR 1.84(k) |
| 2. PHOTOGRAPHS. 37 CFR 1.84(b) | Scale not large enough to show mechanism |
| One (1) full-tone set is required. Fig(s) | without crowding when drawing is reduced in |
| Photographs may not be mounted. 37 CFR 1.84(e) | size to two-thirds in reproduction. |
| Photographs must meet paper size requirements of | Fig(s) |
| 37 CFR 1.84(f). Fig(s) | 10. CHARACTER OF LINES, NUMBERS, & |
| Poor quality (half-tone). Fig(s) | LETTERS. 37 CFR 1.84(1) |
| 3. TYPE OF PAPER. 37 CFR 1.84(c) | Lines, numbers & letters not uniformly thick an |
| Paper not flexible, strong, white, and durable. | well defined, clean, durable, and black (poor lin |
| Fig(s) | quality). Fig(s) 4.5 |
| Erasures, alterations, overwritings, interlineations, | , 11. SHADING. 37 CFR 1.84(m) |
| folds, copy machine marks not accepted. | Solid black areas pale. Fig(s) |
| Fig(s) | Solid black shading not permitted. Fig(s) |
| 4. SIZE OF PAPER. 37 CFR 1.84(1): Acceptable | 12. NUMBERS, LETTERS, & REFERENCE |
| sizes: | CHARACTERS. 37 CFR 1.84(p) |
| 21.0 cm by 29.7 cm (DIN size A4) or | Numbers and reference characters not plain and |
| 21.6 cm by 27.9 cm (8 1/2x 11 inches) | legible. Fig(s) 4, 5 |
| All drawing sheets not the same size. | Pigure legends are poor. Fig(s) U, 5 |
| Sheet(s) | Numbers and reference characters not oriented |
| Drawings sheets not an acceptable size. Fig(s) | the same direction as the view. 37 CFR 1.84(p |
| 5. MARGINS. 37 CFR 1.84(g): Acceptable margins: | Fig(s) |
| Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm | English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) |
| Margins not acceptable. Fig(s) | Numbers, letters and reference characters must |
| Top (T) Left (L) | at least 32 cm (1/8 inch) in height. 37 CFR |
| Right (R) Bottom (B) | 1.84(p)(3). Fig(s) |
| 6. VIEWS: 37 CFR 1.84(h) | 13. LEAD LINES. 37 CFR 1.84(q) |
| REMINDER: Specification may require revision to | Lead lines missing Fig(s) |
| correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the | 14. NUMBERING OF SHEETS OF DRAWING |
| specification, at the Brief Description of the Drawings, | 37 CFR 1.84(t) |
| must likewise be changed. | Sheets not numbered consecutively, and in Ara |
| Views not labeled separately or properly. | numbers beginning with number 1. Sheet(s)_ |
| Fig(s) | 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) |
| 7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) | Views not numbered consecutively, and in Aral |
| | numerals, beginning with number 1. Fig(s) |
| Sectional designation should be noted with | 16. DESIGN DRAWINGS, 37 CFR 1.152 |
| Arabic or Roman numbers. Fig(s) | Surface shading shown not appropriate. |
| | Fig(s) |
| | Solid black surface shading is not permitted exc |
| | when used to represent the color black as well a |
| | color contrast. Fig(s) |
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|-----------------------------------|----------------|------------|---------|

| Patent Term Adjustment (PTA) for application number: 09/967,008 | | | |
|---|------------|-----------------------------|------|
| | | | Days |
| Filing or 371(c) Date: | 09-28-2001 | USPTO Delay (PTO): | 671 |
| Issue Date of Patent: | - | Three Years: | - |
| Pre-Issue Petitions (days): | +0 | Applicant Delay (APPL): | 5 |
| Post-Issue Petitions (days): | +0 | Total PTA: | 666 |
| USPTO Adjustment (days): | +0 | Explanation of Calculations | |

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Image File Wrapper Published Documents

| | Patent Term Adjustment History | | | | |
|------------|---|--|----------------|--|--|
| Date | Contents Description | PTO | APPL (days) | | |
| 02 49 2005 | Mail Notice of Allowance | (days) | , , , | | |
| | Mail Formal Drawings Required | ┼── | | | |
| | Issue Revision Completed | + | | | |
| - | Formal Drawings Required | | | | |
| | Notice of Allowance Data Verification Completed | | | | |
| | Notice of Allowability | | | | |
| | Date Forwarded to Examiner | | | | |
| | Response after Non-Final Action | | 5 | | |
| | Workflow incoming amendment IFW | | 1 | | |
| 09-29-2004 | Mail Non-Final Rejection | 671 | | | |
| 09-27-2004 | Non-Final Rejection | | | | |
| 05-25-2004 | IFW TSS Processing by Tech Center Complete | | | | |
| 04-20-2004 | Case Docketed to Examiner in GAU | | | | |
| 04-20-2004 | Case Docketed to Examiner in GAU | | | | |
| 12-22-2003 | Case Docketed to Examiner in GAU | | | | |
| 03-06-2002 | Information Disclosure Statement (IDS) Filed | 1 | | | |
| 12-19-2001 | Case Docketed to Examiner in GAU | 1 | | | |
| 10-30-2001 | Application Dispatched from OIPE | | | | |
| 10-25-2001 | Correspondence Address Change | 1 | - | | |
| 10-09-2001 | IFW Scan & PACR Auto Security Review | 1 | | | |
| 09-28-2001 | Initial Exam Team nn | 1 | | | |

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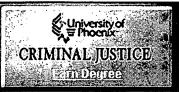
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Time calculation

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It is 671 days, 0 hours, 0 minutes and 0 seconds between those dates

Or 57974400 seconds or 966240 minutes or 16104 hours

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